

AMENDMENTS TO THE CLAIMS

Claims 1 through 21 cancelled.

22. (New) A composite product encompassing at least one polyacetal molding and at least one polyolefin molding, which have been bonded at at least one of their surfaces using an adhesion-promoting layer which is substantially composed of a copolymer or of a mixture of these which derives from at least one alpha-olefin, from at least one ethylenically unsaturated carboxylic ester and, optionally from at least one other ethylenically unsaturated carboxylic acid derivative, where the molar ratio of alpha-olefin to ethylenically unsaturated carboxylic ester and, optionally other ethylenically unsaturated carboxylic acid derivative is selected so as to obtain the composite with a bond strength (measured by the tensile test at 23°C) of at least 0.2 N/mm².

23. (New) The composite product as claimed in claim 22, wherein the composite has a bond strength (measured by the tensile test at 23°C) of at least 0.5 N/mm².

24. (New) The composite product as claimed in claim 22, wherein the polyacetal molding is a molding comprising polyoxymethylene homo- or copolymer.

25. (New) The composite product as claimed in claim 22, wherein the polyolefin molding is a molding comprising polyethylene.

26. (New) The composite product as claimed in claim 22, wherein the adhesion promoters used comprise copolymers derived from an alpha-olefin and from at least one ethylenically unsaturated carboxylic ester and from at least one other ethylenically unsaturated carboxylic acid derivative.

27. (New) The composite product as claimed in claim 26, wherein the alpha-olefin is ethylene, copolymerized with acrylic ester, with methacrylic ester, or with a combination of these.

28. (New) The composite product as claimed in claim 22, wherein the adhesion promoters used comprise ethylene-vinyl ester copolymers.

29. (New) The composite product as claimed in claim 22, wherein the adhesion promoters used comprise a copolymer derived from at least one alpha-olefin and from at least one ethylenically unsaturated carboxylic ester modified with at least one further ethylenically unsaturated carboxylic acid derivative.

30. (New) The composite product as claimed in claim 29, wherein the adhesion promoters used comprise an ethylene-vinyl ester copolymer copolymerized/modified with acrylic ester, with methacrylic ester, with itaconic anhydride, with maleic anhydride, or with a combination of these, in particular comprise an ethylene-vinyl acetate copolymer copolymerized/modified with acrylic and/or methacrylic ester.

31. (New) The composite product as claimed in claim 22, wherein the composite comprises a polyoxymethylene homo- or copolymer (“POM”) molding and, bonded thereto via a layer composed of adhesion-promoting polymer, a polyolefin molding, where the adhesion-promoting polymer is selected from the group consisting of ethylene-vinyl ester copolymers or ethylene homopolymers modified with ethylenically unsaturated carboxylic esters and optionally with unsaturated carboxylic anhydrides, and of ethylene-acrylic ester copolymers, ethylene-methacrylic ester copolymers, and mixtures of these.

32. (New) The composite product as claimed in claim 22, wherein the adhesion promoters used comprise copolymers which derive from ethylene and vinyl acetate (EVA) or from ethylene and acrylic esters, and which optionally have also been copolymerized/modified with anhydrides of unsaturated carboxylic acids.

33. (New) The composite product as claimed in claim 22, wherein the adhesion promoters used comprise a copolymer from the group consisting of ethylene-vinyl acetate-maleic anhydride terpolymer, ethylene-butyl acrylate copolymer, ethylene-ethyl acrylate copolymer, ethylene-methyl acrylate copolymer, ethylene-glycidyl methacrylate copolymer, ethylene-methyl acrylate-glycidyl methacrylate terpolymer, ethylene-ethyl acrylate-glycidyl methacrylate terpolymer, ethylene-butyl acrylate-glycidyl methacrylate terpolymer, ethylene-methyl acrylate-maleic anhydride terpolymer, ethylene-ethyl acrylate-maleic anhydride terpolymer, ethylene-butyl acrylate-maleic anhydride terpolymer, and ethylene vinyl acetate modified with maleic anhydride.

34. (New) The composite product as claimed in claim 22, wherein the adhesion-promoting copolymers used have a melting point or a Vicat softening point above 50°C.

35. (New) The composite product as claimed in claim 22, which has at least three layers and has at least one layer sequence polyacetal, adhesion-promoting layer, and polyolefin.

36. (New) The composite product as claimed in claim 22, which has five layers and has the following layer sequence: polyacetal, adhesion-promoting layer, polyolefin, adhesion-promoting layer, and polyacetal, or polyolefin, adhesion-promoting layer, polyacetal, adhesion-promoting layer, and polyolefin.

37. (New) A process for producing the composite product as claimed in claim 22, encompassing the following steps:

- a) producing a polyacetal molding from a polyacetal-containing molding composition,
- b) applying an adhesion-promoting layer comprising at least one of the polymers as claimed in claim 22 to at least one surface of the polyacetal molding, and
- c) applying a polyolefin-containing molding composition to the adhesion-promoting layer produced in step b) so as to produce a composite of polyacetal molding and polyolefin molding.

38. (New) A process for producing the composite product as claimed in claim 22, encompassing the following steps:

- a) producing a polyolefin molding from a polyolefin-containing molding composition,
- b) applying an adhesion-promoting layer comprising at least one of the polymers as claimed in claim 22 to at least one surface of the polyolefin molding, and
- c) applying a polyacetal-containing molding composition to the adhesion-promoting layer produced in step b) so as to produce a composite of polyacetal molding and polyolefin molding.

39. (New) The process as claimed in claim 37, wherein the polyolefin molding and the polyacetal molding are produced by injection molding and/or by extrusion.

40. (New) The process as claimed in claim 37, wherein the adhesion-promoting layer is applied by injection molding and/or by extrusion.

41. (New) The composite product as claimed in claim 22, wherein the polyacetal molding is a molding comprising a copolymer containing repeat units of polyoxymethylene and of polyoxyethylene and/or of polyoxybutylene.

42. (New) The composite product as claimed in claim 22, wherein the adhesion promoters used comprise ethylene-vinyl acetate copolymers.

43. (New) The composite product as claimed in claim 22, wherein the adhesion promoters used comprise copolymers which derive from ethylene and vinyl acetate (EVA) or from ethylene and acrylic esters selected from the group consisting of methyl acrylate, ethyl acrylate, propyl acrylate, or butyl acrylate, and which have optionally been copolymerized/modified with maleic anhydride.

44. (New) A component which come into contact with fuel which comprises the composite product as claimed in claim 22.

45. (New) A snap connector, power train component, deflector roll, gear wheel, shift lever, tube or packaging material which comprise the composite products as claimed in claim 22.